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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/645,056	08/21/2003	Robert Clint Hogeland	030264	6550

26285 7590 12/13/2004

KIRKPATRICK & LOCKHART LLP  
535 SMITHFIELD STREET  
PITTSBURGH, PA 15222

EXAMINER

THOMPSON, HUGH B

ART UNIT	PAPER NUMBER
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3634

DATE MAILED: 12/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/645,056

Applicant(s)

HOGELAND ET AL.

Examiner

Hugh B. Thompson II

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 21 August 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 17 is/are allowed.
- 6) ☒ Claim(s) 1-6, 9, 10, 13-16 and 18-20 is/are rejected.
- 7) ☒ Claim(s) 7, 8, 11 and 12 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 112*

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim is 5 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. With respect to claim 5, the applicant has positively recited the combination of the structure and the device. It is improper to relate the device to an "unclaimed element" such as the structure, as the claim fails to further limit the device, and it is the patentability of the device and not its relationship to the structure that is to be determined.

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-6, 9, 10, 13-16, and 18-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Scurlock #3,851,730 in view of Olsen #3,399,407. Scurlock discloses a rectangular shaped inflatable safety device comprised of a body having multiple chambers (closed interior volume) 1, 2, an upper impact receiving surface 12, inlet 51 that receives air (fluid media), continuous fan system (inflation device) 5, 52, exhaust ports/breathers 3, 4, having moveable flaps 31, 32, 42, and breakable membranes (unnumbered) as recited in column 14, lines 39-45, and arrowed pathways, as best seen in Figures 4 and 5. Scurlock fails to disclose a

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body opening section for receiving a structure, wherein the body opening section is smaller in height than the impact-receiving portion of body and a specific power source.

Olsen teaches the utility of an inflatable device 22 for falling bodies having sections 70 that are capable of receiving a structure such as those used in pole vaulting, those sections being smaller in height than main section 22 to receive the structure, and an inflation device 40 having an electric power source 56 (similar to battery power). Therefore, to one of ordinary skill in the art, it would have been obvious to provide the device of Scurlock with a structure receiving section and an electrical power source as taught by Olsen, so as to provide a section for receiving structures such as a pole used in pole vaulting and a power source to supply power to an electric motor, while producing no new and unexpected results.

#### *Allowable Subject Matter*

Claim 17 is allowed.

Claims 7, 8, 11, and 12, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The primary reason for the allowable subject matter of claim 7 and the allowance of claim 17 is the inclusion of a control system for operating the inflation device. The prior art of record fails to teach or suggest the claimed feature absent the applicant's own disclosure.

#### *Conclusion*

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Perry #452,234, Bowers #1,166,811, Dawson #2,143,122, Andreasen #2,945,550,

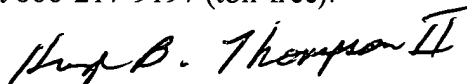
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Fischer #3,310,818, Morrison et al #3,840,922, Miller #5,150,767, and Williams, Sr. et al are cited to teach inflatable safety devices.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hugh B. Thompson II whose telephone number is (703) 305-0102. The examiner can normally be reached on Monday thru Friday 9 am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Cuomo can be reached on (703) 308-0827. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Hugh B. Thompson II  
Primary Examiner  
Art Unit 3634

December 7, 2004